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34. A method in a mobile wireless communications handset, comprising:

receiving base station location information of a cellular communication bases station;

receiving base station cellular area information for the base station for which base station location information is received;

determining a course location of the mobile wireless communications handset based on the base station location information and on the cellular area information.

- 35. The method of Claim 34, determining a refined location of the mobile wireless communication handset based on the course location.
- 36. The method of Claim 34, mobile wireless communications handset is a global positioning system (GPS) enabled mobile wireless communications handset, determining a GPS based location of the mobile wireless communication device, reducing a GPS search space with the course location when determining the GPS based location of the mobile wireless communications handset.
- 37. The method of Claim 34, receiving a bearing and bearing angular width information for the base station, determining the course location of the mobile wireless communications handset based on the base station location, the cellular area, bearing and bearing angular width information.

38. The method of Claim 37, measuring power of a signal transmitted by the base station, determining the course location of the mobile wireless communications handset based on the base station location, the cellular area, bearing and bearing angular width information, and the power measurement.

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39. The method of Clam 37, determining a refined location of the mobile wireless communication handset based on the course location.

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40. The method of Claim 34, receiving bearing information from the base station, determining the course location of the mobile wireless communications handset based on the base station location, the cellular area, and the bearing information.

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41. The method of Claim 40, measuring power of a signal transmitted by the base station, determining the course location of the mobile wireless communications handset based on the base station location, the cellular area, bearing information, and the power measurement.

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42. The method of Clam 40, determining a refined location of the mobile wireless communication handset based on the course location.

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43. The method of Claim 34, measuring power of a signal transmitted by the base station, determining the course location of the mobile wireless communications handset based on the base station location and cellular area information, and the power measurement.

44. A method in a mobile wireless communications handset, comprising:

receiving bearing information from a plurality of at least two bases stations,

determining a course location of the mobile wireless communications handset based on the bearing information;

determining a refined location of the mobile wireless communication handset based on the course location.

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45. The method of Claim 44, mobile wireless communications handset is a global positioning system (GPS) enabled mobile wireless communications handset, determining the refined location by determining a GPS based location of the mobile wireless communication device, reducing a GPS search space when determining the GPS based location by basing the GPS location determination on the course location.

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## 46. The method of Claim 44,

receiving base station location information of a cellular communication bases station;

receiving base station cellular area information for the base station for which base station location information is received;

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determining the course location of the mobile wireless communications handset based on the base station location, on the cellular area, and the bearing information.

47. A method in a cellular communication system comprising a network of cellular base stations, the method comprising:

transmitting base station location information from at least one base station;

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transmitting a cellular area of the at least one base station for which location information is transmitted;

transmitting bearing information of the base station.

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48. The method of Claim 47, determining a course location of a mobile wireless communication device in the network base upon the cellular location information and cellular area and bearing information of the corresponding base station.

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49. The method of Claim 47, transmitting bearing angular width information for the base station.

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50. The method of Claim 49, determining the course location of the mobile wireless communication device in the network base upon the cellular location information, cellular area of corresponding base station, and the bearing and bearing angular width information.

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51. The method of Claim 47, measuring power of a signal from the base station, determining the course location of the mobile wireless communication device in the network base upon the cellular location information, cellular area of corresponding base station, bearing information, and the power measurement.

52. The method of Claim 47, transmitting the base station location information, the cellular area, and the bearing information in a Provide Base Station Almanac Message.

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53. The method of Claim 47, transmitting the base station location information, the cellular area, and the bearing information in a common message.

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54. A method in a cellular communication device comprising, the method comprising:

receiving base station location information for at least one base station;
receiving a cellular area information for the base station for which location information is received;

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receiving bearing information of the base station for which location and cellular area information are received.

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55. The method of Claim 54, receiving the base station location information, cellular area information, and bearing information in a common message.